

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L25</u>	200038013	2	<u>L25</u>
<i>DB=EPAB; PLUR=YES; OP=ADJ</i>			
<u>L24</u>	200038013	0	<u>L24</u>
<i>DB=JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L23</u>	4124396.pn.	2	<u>L23</u>
<u>L22</u>	59069755	2	<u>L22</u>
<i>DB=DWPI; PLUR=YES; OP=ADJ</i>			
<u>L21</u>	59069755	1	<u>L21</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L20</u>	4299914.pn.	1	<u>L20</u>
<u>L19</u>	us4299914.pn	0	<u>L19</u>
<u>L18</u>	us4299914	0	<u>L18</u>
<u>L17</u>	4299914	32	<u>L17</u>
<u>L16</u>	4368257.pn.	1	<u>L16</u>
<u>L15</u>	4362810a	0	<u>L15</u>
<u>L14</u>	4362810	11	<u>L14</u>
<u>L13</u>	L12	0	<u>L13</u>
<i>DB=USPT,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L12</u>	56069192	2	<u>L12</u>
<u>L11</u>	56069192A	0	<u>L11</u>
<u>L10</u>	JP 56 069192 A	0	<u>L10</u>
<u>L9</u>	konishiroku same 1981	14	<u>L9</u>
<u>L8</u>	L7	26310	<u>L8</u>
<u>L7</u>	konishiroku	26310	<u>L7</u>
<u>L6</u>	2070000 same konishiroku	0	<u>L6</u>
<u>L5</u>	2070000 same konishiroku	0	<u>L5</u>
<u>L4</u>	GB2070000	0	<u>L4</u>
<u>L3</u>	2070000	42	<u>L3</u>
<u>L2</u>	gb207000a	0	<u>L2</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	gb207000a	0	<u>L1</u>

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Search Results - Record(s) 1 through 11 of 11 returned.☐ 1. Document ID: US 4822729 A

L14: Entry 1 of 11

File: USPT

Apr 18, 1989

US-PAT-NO: 4822729

DOCUMENT-IDENTIFIER: US 4822729 A

TITLE: 2,5-Diacylaminophenol-type color couplers and photographic elements containing same

DATE-ISSUED: April 18, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Monbaliu; Marcel J.	Mortsel			BEX
Van Meerbeeck; Paul L.	Hulshout			BEX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
AGFA-Gevaert, N.V.	Mortsel			BEX	03

APPL-NO: 7/ 124609

DATE FILED: November 24, 1987

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
EP	EP 86202202.7	December 5, 1986

INT-CL: [4] G03C 1/76, G03C 1/40

US-CL-ISSUED: 430/552; 430/505, 430/553, 558/415, 558/417, 560/34, 560/45, 564/51, 564/52, 564/54, 564/55, 564/153

US-CL-CURRENT: 430/552; 430/505, 430/553, 558/415, 558/417, 560/34, 560/45, 564/153, 564/51, 564/52, 564/54, 564/55

FIELD-OF-SEARCH: 430/552, 430/553, 430/505, 558/415, 558/417, 564/51, 564/52, 564/54, 564/55, 564/153, 560/34, 560/45

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>2698794</u>	April 1950	Godowsky	430/550
<u>4334011</u>	January 1982	Aoki et al.	430/552
<u>4341864</u>	July 1982	Vandewalle et al.	430/552
<u>4362810</u>	December 1982	Usagawa et al.	430/553
<u>4717647</u>	January 1988	Abe et al.	430/553
<u>4725530</u>	February 1988	Kobayashi et al.	430/553

ART-UNIT: 156
PRIMARY-EXAMINER: Shah; Mukund J.
ATTY-AGENT-FIRM: Breiner; A. W.

ABSTRACT:

Cyan-forming color couplers according to the formula: ##STR1## wherein Z is hydrogen or a coupling off group, R.sup.1 is hydrogen, a halogen atom, alkyl, or alkoxy, R.sup.2 is hydrogen or alkyl, R.sub.3 is hydrogen, a halogen atom, alkyl, alkoxy, alkylsulphonyl, alkanamidodisulphonyl, alkoxycarbonyl, alkanamidocarbonyl, alkanamido, alkylsulphonamido, or cyano, R.sup.4 is a substituent standing at the 3- or 6-position of the phenol and selected from hydrogen, a halogen atom, and alkyl, and n is 0 or 1. These couplers can be incorporated into (a) red-sensitized silver halide emulsion layer(s) of a photographic multilayer color element or in a non-light-sensitive colloid layer in water-permeable relationship with the red-sensitized emulsion layer(s).

7 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 4681835 A

L14: Entry 2 of 11

File: USPT

Jul 21, 1987

US-PAT-NO: 4681835

DOCUMENT-IDENTIFIER: US 4681835 A

TITLE: Method of processing silver halide color photographic material containing pyrazoloazole-type magenta coupler using a final bath containing a soluble iron salt

DATE-ISSUED: July 21, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ishikawa; Takatoshi	Kanagawa			JPX
Nakazyo; Kiyoshi	Kanagawa			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fuji Photo Film Co., Ltd.	Kanagawa			JPX	03

APPL-NO: 6/ 807934

DATE FILED: December 12, 1985

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	59-264185	December 14, 1984

INT-CL: [4] G03C 5/00, G03C 5/24, G03C 7/38

US-CL-ISSUED: 430/386; 430/337, 430/372, 430/421, 430/428, 430/429, 430/490

US-CL-CURRENT: 430/386; 430/337, 430/372, 430/421, 430/428, 430/429, 430/490

FIELD-OF-SEARCH: 430/386, 430/372, 430/421, 430/337, 430/428, 430/429, 430/490

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>3647452</u>	March 1972	Hendess et al.	430/386
<u>4336324</u>	June 1982	Koboshi et al.	430/372
<u>4338393</u>	July 1982	Bailey et al.	430/386
<u>4500630</u>	February 1985	Sato et al.	430/372
<u>4500632</u>	February 1985	Ohmura et al.	430/428
<u>4548899</u>	October 1985	Nakayama et al.	430/386 X
<u>4576910</u>	March 1986	Hirano et al.	430/386 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0071402	September 1983	EPX	

ART-UNIT: 156

PRIMARY-EXAMINER: Kittle; John E.

ASSISTANT-EXAMINER: Shah; Mukund J.

ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak and Seas

ABSTRACT:

A method of processing a silver halide color photographic material, which comprises processing a photographic material containing at least one pyrazoloazole type magenta coupler represented by the general formula (I) in a final bath containing a soluble iron salt in an amount of at least 1×10^{-4} mol/l, whereby marked improvements in stabilization of color images, especially cyan dye images and prevention of yellow stain are achieved: ##STR1## wherein R.sub.1 represents a hydrogen atom or a substituent, X represents a hydrogen atom or a group capable of being eliminated by the coupling reaction with an oxidation product of an aromatic primary amine developing agent, and Z.sub.a, Z.sub.b and Z.sub.c each represents methine group, a substituted methine group, .dbd.N-- or --NH--, provided that one of the Z.sub.a -Z.sub.b and Z.sub.b -Z.sub.c bonds is a double bond and the other is a single bond, in which when it represents a double bond the Z.sub.b -Z.sub.c bond includes one which constitutes a part of an aromatic ring, and further, the substituent R.sub.1 or X, or the substituted methine represented by Z.sub.a, Z.sub.b or Z.sub.c may form a polymer including a dimer.

14 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 3. Document ID: US 4609618 A

L14: Entry 3 of 11

File: USPT

Sep 2, 1986

US-PAT-NO: 4609618

DOCUMENT-IDENTIFIER: US 4609618 A

TITLE: Silver halide photographic light-sensitive material

DATE-ISSUED: September 2, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sasaki; Masao	Odawara			JPX
Onodera; Kaoru	Odawara			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Konishiroku Photo Industry Co., Ltd.	Tokyo			JPX	03

APPL-NO: 6/ 805251

DATE FILED: December 4, 1985

PARENT-CASE:

This application is a continuation, of application Ser. No. 558,785, filed 12-16-83 now abandoned.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	57-216176	December 9, 1982

INT-CL: [4] G03C 7/26, G03C 7/34

US-CL-ISSUED: 430/546; 430/552, 430/553

US-CL-CURRENT: 430/546; 430/552, 430/553

FIELD-OF-SEARCH: 430/552, 430/553, 430/546

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>2322027</u>	June 1943	Jelley et al.	430/546
<u>4124396</u>	November 1978	Osborn	430/553
<u>4362810</u>	December 1982	Usagawa et al.	430/553
<u>4407940</u>	October 1983	Nakamura et al.	430/546
<u>4451558</u>	May 1984	Sugita et al.	430/553
<u>4455367</u>	June 1984	Seoka et al.	430/546

ART-UNIT: 156

PRIMARY-EXAMINER: Downey; Mary F.

ATTY-AGENT-FIRM: Bierman; Jordan B.

ABSTRACT:

Silver halide photographic light-sensitive material comprising a support and at least one silver halide emulsion layer thereon, said layer comprising at least one cyan coupler of Formula I, said coupler having been dispersed in said emulsion layer by use of at least one solvent of Formula II, ##STR1## wherein R.sub.1 is an alkyl radical or an aryl radical; R.sub.2, R.sub.3, R.sub.4, R.sub.5 and R.sub.6 each is a radical selected from the group consisting of hydrogen, halogens, hydroxyl radical, nitro radical, cyano radical, alkyl radicals, alkoxy radicals, aryl radicals, aryloxy radicals, alkylsulfamoyl radicals, arylsulfamoyl radicals, alkyloxycarbonyl radicals, aryloxycarbonyl radicals, alkylsulfonamido radicals, arylsulfonamido radicals, alkylsulfonyl radicals and arylsulfonyl radicals, provided that when R.sub.2 is a radical selected from said alkylsulfonamido radicals, R.sub.6 also is selected from said alkylsulfonamido radicals; and Z.sub.1 is a hydrogen atom, a halogen atom, or a radical that can be split off by the reaction of said coupler with the oxidized product of an aromatic primary amine-type color developing agent,

##STR2## wherein R.sub.7 and R.sub.8 each is an alkyl radical, an alkenyl radical or an aryl radical, provided that the sum of the carbon atoms of the radicals represented by R.sub.7 and R.sub.8 is from 16 to 36.

20 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 4. Document ID: US 4533625 A

L14: Entry 4 of 11

File: USPT

Aug 6, 1985

US-PAT-NO: 4533625

DOCUMENT-IDENTIFIER: US 4533625 A

TITLE: Silver halide color photographic light-sensitive materials

DATE-ISSUED: August 6, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ichijima; Seiji	Kanagawa			JPX
Hirose; Takeshi	Kanagawa			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fuji Photo Film Co., Ltd.	Kanagawa			JPX	03

APPL-NO: 6/ 593209

DATE FILED: March 26, 1984

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	58-50001	March 25, 1983

INT-CL: [3] G03C 7/26, G03C 7/32

US-CL-ISSUED: 430/552; 430/553, 430/554, 430/555, 430/556, 430/557, 430/558

US-CL-CURRENT: 430/552; 430/553, 430/554, 430/555, 430/556, 430/557, 430/558

FIELD-OF-SEARCH: 430/552, 430/553, 430/554, 430/555, 430/556, 430/557, 430/558

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>2480815</u>	August 1949	Tulagin et al.	430/552 X
<u>3615605</u>	October 1971	Inoue	430/553 X
<u>4004929</u>	January 1977	Orvis	430/552 X
<u>4042393</u>	August 1977	Wada et al.	430/558 X
<u>4443536</u>	April 1984	Lestina	430/552

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
557387	May 1946	GBX	430/552

OTHER PUBLICATIONS

Research Disclosure, "Novel Sulfonyl Naphthalene Materials", Aug. 1973.

ART-UNIT: 156

PRIMARY-EXAMINER: Kittle; John E.

ASSISTANT-EXAMINER: Shah; Mukund J.

ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak, and Seas

ABSTRACT:

A color photographic light-sensitive material which contains a photographic coupler having a naphthalene nucleus in the bonding position other than the coupling position, wherein the naphthalene nucleus contains at least one hydroxyl group and at least one sulfonyl group as a substituent or contains at least one hydroxyl group and at least one sulfinyl group as a substituent is disclosed.

10 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 5. Document ID: US 4526861 A

L14: Entry 5 of 11

File: USPT

Jul 2, 1985

US-PAT-NO: 4526861

DOCUMENT-IDENTIFIER: US 4526861 A

TITLE: Silver halide color photographic light-sensitive material comprising coupler having nitrogen-containing heterocyclic ring

DATE-ISSUED: July 2, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ichijima; Seiji	Kanagawa			JPX
Hirose; Takeshi	Kanagawa			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fuji Photo Film Co., Ltd.	Kanagawa			JPX	03

APPL-NO: 6/ 593795

DATE FILED: March 27, 1984

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	58-54742	March 29, 1983

INT-CL: [3] G03C 7/32, G03C 7/26, G03C 7/00, G03C 1/40

US-CL-ISSUED: 430/385; 430/553, 430/555, 430/557, 430/558

US-CL-CURRENT: 430/385; 430/553, 430/555, 430/557, 430/558

FIELD-OF-SEARCH: 430/553, 430/555, 430/557, 430/558, 430/385

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4057432</u>	November 1977	Fujiwhara et al.	430/558 X
<u>4124396</u>	November 1978	Osborn	430/553
<u>4269936</u>	May 1981	Arai et al.	430/558 X
<u>4289847</u>	September 1981	Ishikawa et al.	430/557 X
<u>4352873</u>	October 1982	Toda et al.	430/558 X
<u>4356258</u>	October 1982	Usui et al.	430/558 X
<u>4368257</u>	January 1983	Usagawa et al.	430/558 X
<u>4404274</u>	September 1983	Arai et al.	430/558 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
747628	April 1956	GBX	430/553

ART-UNIT: 156

PRIMARY-EXAMINER: Kittle; John E.

ASSISTANT-EXAMINER: Shah; Mukund J.

ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak and Seas

ABSTRACT:

A silver halide color photographic light-sensitive material comprising a support having thereon at least one silver halide emulsion layer, the color photographic light-sensitive material containing a coupler having a group represented by the general formula (I) ##STR1## wherein W represents ##STR2## represents an organic residue necessary for forming a 5-membered or 6-membered nitrogen-containing heterocyclic ring or a condensed ring thereof together with W; Y represents an organic residue connecting Z and X and containing at least one carbon atom which is bonded to Z; Z represents an oxygen atom or a sulfur atom; and n represents an integer of 1 to 2; at the coupling position of the coupler and a method of forming a color image using the silver halide color photographic light-sensitive material. The silver halide color photographic light-sensitive material containing the two-equivalent coupler having a group capable of being released upon a coupling reaction represented by the general formula (I) has a high dye forming rate even when it is processed in a color developing solution which does not contain an organic solvent such as benzyl alcohol.

29 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 6. Document ID: US 4525450 A

L14: Entry 6 of 11

File: USPT

Jun 25, 1985

US-PAT-NO: 4525450

DOCUMENT-IDENTIFIER: US 4525450 A

TITLE: Silver halide color photographic light sensitive material containing a coupler containing at least one of a sulfamoylphenylenesulfonyl,

sulfamoylaminophenylenesulfonyl, or sulfoamidophenylenesulfonyl group

DATE-ISSUED: June 25, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Itoh; Isamu	Nakanuma, Minami Ashigara-shi,	Kanagawa			JPX
Hirose; Takeshi	Nakanuma, Minami Ashigara-shi,	Kanagawa			JPX

APPL-NO: 6/ 592486

DATE FILED: March 23, 1984

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	58-52927	March 28, 1983

INT-CL: [3] G03C 7/00, G03C 7/32, G03C 1/40

US-CL-ISSUED: 430/552; 430/553, 430/554, 430/555, 430/556, 430/557, 430/558, 430/565

US-CL-CURRENT: 430/552; 430/553, 430/554, 430/555, 430/556, 430/557, 430/558, 430/565

FIELD-OF-SEARCH: 430/552, 430/553, 430/554, 430/555, 430/556, 430/557, 430/558, 430/565

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4362810</u>	December 1982	Usagawa et al.	430/553 X
<u>4390606</u>	June 1983	Gabrielsen et al.	430/357 X
<u>4433050</u>	February 1984	Abe et al.	430/552 X
<u>4443536</u>	April 1984	Lestina	430/557 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
651958	April 1951	GBX	430/552
1160628	August 1969	GBX	430/556

OTHER PUBLICATIONS

C.A. 101: 46203a-Konishiroku Phot., vol. 101, 1984.
C.A. 100: 212166s, Konishiroku Phot., vol. 100, 1984.
C.A. 99: 131398c, Fuji Photo, vol. 99, 1983.

ART-UNIT: 156

PRIMARY-EXAMINER: Kittle; John E.

ASSISTANT-EXAMINER: Shah; Mukund J.

ABSTRACT:

A silver halide color photographic light-sensitive material containing a coupler having at least one of a sulfamoylphenylenesulfonyl group, a sulfamoylaminophenylenesulfonyl group and a sulfonamidophenylenesulfonyl group as a substituent. Preferred couplers are represented by the formula: ##STR1## wherein all

moieties are defined in the specification wherein Cp is a coupler residue, L is a divalent linking group and X represents --NHSO.sub.2 --, ##STR2## or --SO.sub.2 NH, and n represents 0-4. Groups R.sup.1, R.sup.2 and R.sup.3 are defined in the specification.

7 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 7. Document ID: US 4524132 A

L14: Entry 7 of 11

File: USPT

Jun 18, 1985

US-PAT-NO: 4524132

DOCUMENT-IDENTIFIER: US 4524132 A

TITLE: Color photographic silver halide light-sensitive material

DATE-ISSUED: June 18, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aoki; Kozo	Kanagawa			JPX
Umemoto; Makoto	Kanagawa			JPX
Ogawa; Akira	Kanagawa			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fuji Photo Film Co., Ltd.	Kanagawa			JPX	03

APPL-NO: 6/ 647953

DATE FILED: September 6, 1984

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	58-163979	September 6, 1983

INT-CL: [3] G03C 7/26

US-CL-ISSUED: 430/552; 430/553, 430/554, 430/555, 430/556, 430/557, 430/558

US-CL-CURRENT: 430/552; 430/553, 430/554, 430/555, 430/556, 430/557, 430/558

FIELD-OF-SEARCH: 430/505, 430/552, 430/553, 430/554, 430/555, 430/556, 430/557, 430/558

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>3591383</u>	July 1971	Yoshida et al.	430/553
<u>3880661</u>	April 1975	Lau et al.	430/553
<u>3891445</u>	June 1975	Arai et al.	430/555
<u>4333999</u>	June 1982	Lau	430/552
<u>4362810</u>	December 1982	Usagawa et al.	430/553
<u>4368257</u>	January 1983	Usagawa et al.	430/558

ART-UNIT: 156
PRIMARY-EXAMINER: Brown; J. Travis
ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak, and Seas

ABSTRACT:

A color photographic silver halide light-sensitive material is described, comprising a support base having thereon a silver halide emulsion layer wherein said material contains at least one coupler represented by formula (I) ##STR1## wherein A represents a yellow coupler residue, a magenta coupler residue, or a cyan coupler residue; R.sub.1 represents a substituted or unsubstituted acyclic or cyclic alkylene group; R.sub.2 represents a halogen atom, a hydroxyl group, a cyano group, a substituted or unsubstituted alkyl group, a substituted or unsubstituted acylamino group, a substituted or unsubstituted sulfonamido group or a substituted or unsubstituted acyl group; and n represents an integer of 0 to 3.

18 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 4511649 A

L14: Entry 8 of 11

File: USPT

Apr 16, 1985

US-PAT-NO: 4511649
DOCUMENT-IDENTIFIER: US 4511649 A

TITLE: Silver halide color photographic light-sensitive material

DATE-ISSUED: April 16, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ogawa; Akira	Kanagawa			JPX
Tsuda; Momotoshi	Kanagawa			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fuji Photo Film Co., Ltd.	Kanagawa			JPX	03

APPL-NO: 6/ 612499
DATE FILED: May 21, 1984

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	58-88940	May 20, 1983

INT-CL: [3] G03C 7/26, G03C 7/32

US-CL-ISSUED: 430/553; 430/216, 430/226, 430/385, 430/387, 430/389, 430/505, 430/555, 430/557, 430/558

US-CL-CURRENT: 430/553; 430/216, 430/226, 430/385, 430/387, 430/389, 430/505, 430/555, 430/557, 430/558

FIELD-OF-SEARCH: 430/385, 430/387, 430/389, 430/553, 430/555, 430/557, 430/558, 430/505, 430/216, 430/226

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4133955</u>	January 1979	Renner	430/557 X
<u>4401752</u>	August 1983.	Lau	430/557 X
<u>4420556</u>	December 1983	Booms et al.	430/557 X
<u>4421845</u>	December 1983	Uemura et al.	430/557 X
<u>4438193</u>	March 1984	Uemura et al.	430/555 X
<u>4477560</u>	October 1984	Koitabashi et al.	430/558 X

ART-UNIT: 156

PRIMARY-EXAMINER: Kittle; John

ASSISTANT-EXAMINER: Shah; Mukund J.

ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak and Seas

ABSTRACT:

A silver halide color photographic light-sensitive material comprising a support having thereon at least one silver halide emulsion layer is described, the color photographic light-sensitive material containing a coupler having at the coupling position thereof a group represented by formula (I) ##STR1## wherein Z represents an oxygen atom or a sulfur atom; R.sub.1 and R.sub.2 each represents a halogen atom, an alkyl group, an aryl group, an aralkyl group, an alkoxy group, an aryloxy group, a cyano group, a nitro group, a hydroxy group, a carboxy group, an alkoxycarbonyl group, an aryloxycarbonyl group, an alkylsulfonamido group, an arylsulfonamido group, an alkylsulfamoyl group, an arylsulfamoyl group, an acylamino group, an amino group, an alkylcarbamoyl group, an arylcarbamoyl group, an alkylsulfonyl group, an arylsulfonyl group, an alkylcarbonyl group or an arylcarbonyl group; X.sub.1 represents a divalent organic connecting group; l is 0 or 1; and n and m each is 0, 1, 2, 3 or 4 and the total number of n+m is 1 to 8, when n or m represents 2 or more the R.sub.1 or R.sub.2 groups may be the same or different.

The silver halide color photographic light-sensitive material containing the 2-equivalent coupler having a group capable of being released upon a coupling reaction represented by formula (I) has excellent color forming properties even when it is processed in a color developing solution which does not contain an organic solvent for accelerating color formation, such as benzyl alcohol. A method of forming a color image using the silver halide color photographic light-sensitive material is also disclosed.

27 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 9. Document ID: US 4500635 A

L14: Entry 9 of 11

File: USPT

Feb 19, 1985

US-PAT-NO: 4500635

DOCUMENT-IDENTIFIER: US 4500635 A

TITLE: Color photographic silver halide light-sensitive material

DATE-ISSUED: February 19, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aoki; Kozo	Kanagawa			JPX
Ogawa; Akira	Kanagawa			JPX
Tanabe; Osami	Kanagawa			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fuji Photo Film Co., Ltd.	Kanagawa			JPX	03

APPL-NO: 6/ 589294

DATE FILED: March 14, 1984

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	58-42671	March 14, 1983

INT-CL: [3] G03C 7/26

US-CL-ISSUED: 430/552; 430/384, 430/385, 430/553

US-CL-CURRENT: 430/552; 430/384, 430/385, 430/553

FIELD-OF-SEARCH: 430/384, 430/385, 430/552, 430/553

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4362810</u>	December 1982	Usagawa et al.	430/553
<u>4368257</u>	January 1983	Usagawa et al.	430/553
<u>4427767</u>	January 1984	Aoki et al.	430/552
<u>4458012</u>	July 1984	Ito et al.	430/553

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2098600	November 1982	GBX	

ART-UNIT: 156

PRIMARY-EXAMINER: Brown; J. Travis

ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak and Seas

ABSTRACT:

A color photographic silver halide light-sensitive material is described. The material includes a cyan coupler represented by the general formula (I): ##STR1## (the symbols are as described in the claims). This coupler is easily soluble in high boiling organic solvents, exhibits a high dye-forming rate in developers, and furthermore, provides color images of high fastness.

12 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 10. Document ID: US 4455367 A

L14: Entry 10 of 11

File: USPT

Jun 19, 1984

US-PAT-NO: 4455367

DOCUMENT-IDENTIFIER: US 4455367 A

TITLE: Silver halide color photographic light-sensitive material

DATE-ISSUED: June 19, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Seoka; Yoshio	Kanagawa			JPX
Aoki; Kozo	Kanagawa			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fuji Photo Film Co., Ltd.	Kanagawa			JPX	03

APPL-NO: 6/ 369768

DATE FILED: April 19, 1982

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	56-59415	April 20, 1981

INT-CL: [3] G03C 1/46

US-CL-ISSUED: 430/505; 430/546, 430/552, 430/553

US-CL-CURRENT: 430/505; 430/546, 430/552, 430/553

FIELD-OF-SEARCH: 430/546, 430/552, 430/553, 430/505

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>2322027</u>	June 1943	Jelley et al.	430/546
<u>4275145</u>	June 1981	Mikami	430/546
<u>4334011</u>	June 1982	Aoki et al.	430/552
<u>4362810</u>	December 1982	Usagawa et al.	430/552

ART-UNIT: 166

PRIMARY-EXAMINER: Brown; J. Travis

ATTY-AGENT-FIRM: Sughrue, Mion, Zinn, Macpeak & Seas

ABSTRACT:

A silver halide color photographic light-sensitive material containing particles of a coupler solution, comprising a cyan dye forming coupler represented by the following general formula (I) ##STR1## wherein A represents a cyan coupler residue, but the --NHCO-- group does not bond to A in the active position of A; R.sup.1 represents a substituted or unsubstituted alkyl group or a substituted or unsubstituted aryl group; R.sup.2 represents a hydrogen atom or a substituted or unsubstituted alkyl group; R.sup.3 represents a hydrogen atom, a halogen atom, an alkyl group or an alkoxy group; and n represents an integer of 1 to 3, and when n is

2 or more R.sup.3 may be the same or different, and a coupler solvent having a dielectric constant of 2.5 to 5. The silver halide color photographic light-sensitive material provides a color image having good fastness to heat and light as well as excellent color reproducibility.

29 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 11. Document ID: US 4362810 A

L14: Entry 11 of 11

File: USPT

Dec 7, 1982

US-PAT-NO: 4362810

DOCUMENT-IDENTIFIER: US 4362810 A

TITLE: Method for forming a cyan dye image

DATE-ISSUED: December 7, 1982

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Usagawa; Yasushi	Hino			JPX
Fujimatsu; Wataru	Hachioji			JPX
Sasaki; Osamu	Hino			JPX
Matsuura; Katsumi	Hachiaji			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Konishiroku Photo Industry Co., Ltd.				JPX	03

DISCLAIMER DATE: 19981110

APPL-NO: 6/ 223696

DATE FILED: January 9, 1981

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	55-2305	January 11, 1980

INT-CL: [3] G03C 7/00

US-CL-ISSUED: 430/384; 430/385, 430/552, 430/553

US-CL-CURRENT: 430/384; 430/385, 430/552, 430/553

FIELD-OF-SEARCH: 430/384, 430/385, 430/472, 430/473, 430/552, 430/553

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>2801171</u>	July 1957	Fierke et al.	430/546
<u>3839044</u>	October 1974	Salminen et al.	430/553
<u>4124396</u>	November 1978	Osborn	430/553
<u>4299914</u>	November 1981	Fujimatsu et al.	430/553

ART-UNIT: 166

PRIMARY-EXAMINER: Brown; J. Travis

ATTY-AGENT-FIRM: Finnegan, Henderson, Farabow, Garrett & Dunner

ABSTRACT:

A method of forming a cyan dye image by development of an exposed silver halide photographic material with a developer containing a 2,5-diacylaminophenol cyan coupler containing a substituted alkylsulfonfylamino terminal moiety or a substituted alkylaminosulfonyl terminal moiety in the 2- or 5- position.

6 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KM/C	Draw Desc	Image
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Terms	Documents
4362810	11

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 2 of 2 returned.**☒ 1. Document ID: JP 59069755 A

L22: Entry 1 of 2

File: JPAB

Apr 20, 1984

PUB-NO: JP359069755A
DOCUMENT-IDENTIFIER: JP 59069755 A
TITLE: CYAN COUPLER FOR PHOTOGRAPHY

PUBN-DATE: April 20, 1984

INVENTOR-INFORMATION:

NAME

COUNTRY

TSUDA, YASUO

SASAKI, TAKASHI

KANEKO, YUTAKA

ISHII, FUMIO

KIMURA, KAZUHIKO

KATO, KATSUNORI

US-CL-CURRENT: 564/158

INT-CL (IPC): G03C 7/34; C07D 257/04

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
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☐ 2. Document ID: JP 59069755 A, JP 91007100 B

L22: Entry 2 of 2

File: DWPI

Apr 20, 1984

DERWENT-ACC-NO: 1984-136665

DERWENT-WEEK: 198422

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TITLE: Photographic cyan phenolic coupler - having fluorinated alkyl-substd.
benzamido gp. and acylamino gp. on phenolic nucleus

PRIORITY-DATA: 1982JP-0180968 (October 14, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP <u>59069755</u> A	April 20, 1984		010	
JP 91007100 B	January 31, 1991		000	

INT-CL (IPC): C07D 257/04; G03C 7/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
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Terms	Documents
59069755	2

Display Format:

[Previous Page](#) [Next Page](#)